SIEMENS

English

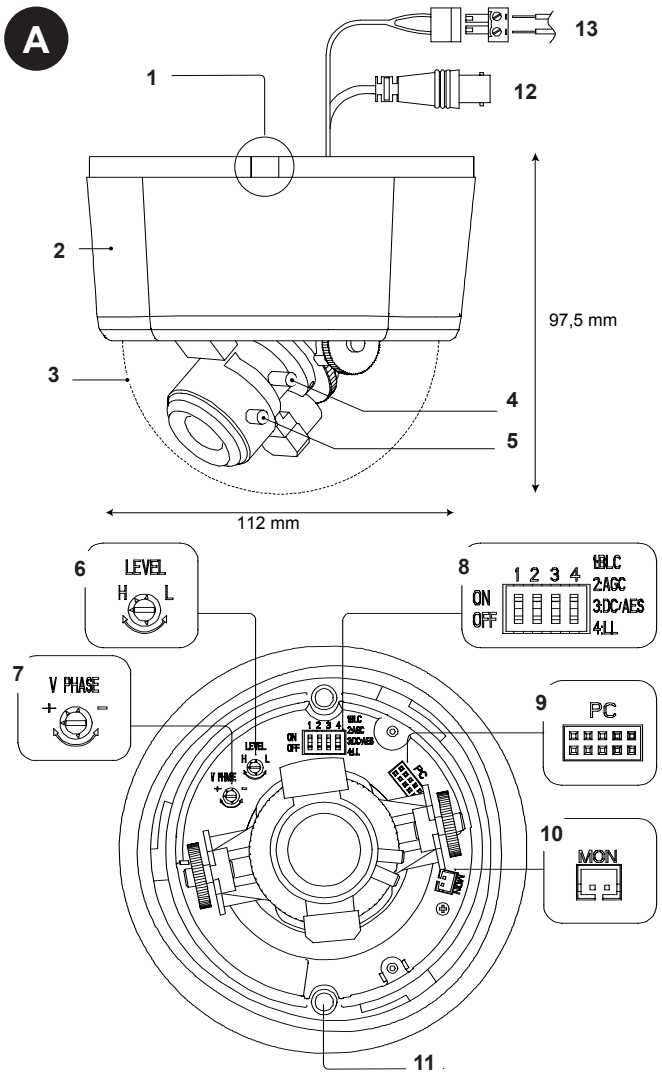
Instruction Manual for Day-Night Varifocal Dome Camera

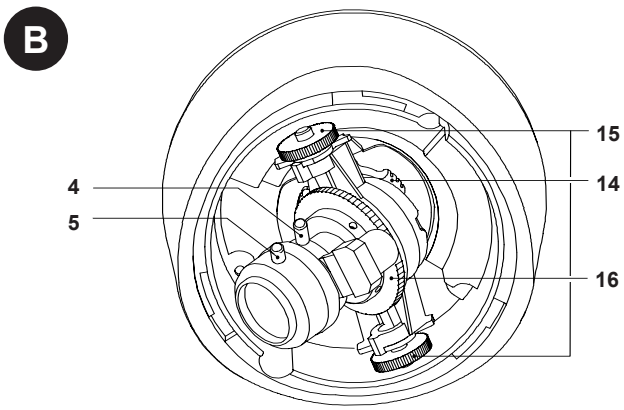
Model number	**Part Code**
Modelnummer	**Art. code**
Typen-Nummer	**Art.-Nr**
CFVS1415-LP	2GF1184-8AJ

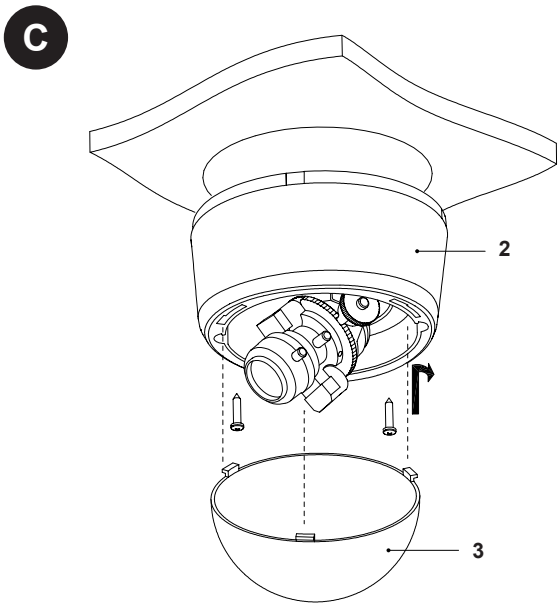
Accessories / Accessoires / Zubehör

CFFA-CD	2GF1086-8AG	Clear Lower Dome / Nl: Transparante dome / De: Klare Kuppel

Document / Document / Dokument	A24205-A336-R537
Edition / Editie / Ausgabe	Rev A.1
Supersedes / Vervangt / Ersetzt	-







Warning

To reduce the risk of fire or electrical shock, do not expose this product to rain or moisture.
This installation should be made by a qualified service person and should conform to all local codes.
Connect the equipment to 12 V DC or 24 V AC UL Listed Class 2 Power Supply.
The CAUTION label shown above is attached to the dome.

Intended for indoor use only!

Waarschuwing

Stel dit product niet bloot aan regen of vocht, want dat zou brand of een elektrische schok kunnen veroorzaken.
Het installeren moet door een deskundige technicus en conform alle plaatselijk geldende voorschriften worden uitgevoerd.
Sluit de apparatuur aan op een UL-gecertificeerde voeding van 12 V DC of 24 V AC, klasse 2.
De bovenstaande CAUTION-sticker is op de dome bevestigd.

Alleen voor gebruik binnen!

Warnung

Um die Gefahr eines Feuers oder Elektroschocks zu vermeiden, darf dieses Gerät weder Regen noch Feuchtigkeit ausgesetzt werden.
Die Installation sollte von einem qualifizierten Servicetechniker gemäß den geltenden Vorschriften ausgeführt werden.
Schließen Sie das Gerät an ein Netzteil mit 12 V Gleichstrom oder 24 V Wechselstrom (UL Class 2) an.
Der Warnhinweis oben ist an der Kuppel angebracht.

Nur für den Einsatz im Innenbereich vorgesehen!

Package contents

- Dome camera
- 1 BNC connection cable
- 1 service monitor cable
- 1 remote PC connection cable (Additional RS232 cable is required to interface to your PC (not included))
- Remote software CD
- 2 fixing screws
- 2 wall plugs
- Fixing template
- Installation and operating instructions (this document)

Dome camera parts

See figures **A** and **B**.

1. Cable entry holes
2. Unit casing
3. Dome casing
4. Zoom lever/locking screw
5. Focus lever/locking screw
6. Iris LEVEL screw
7. V phase adjustment screw
8. Mode setting DIP switches
9. PC connection port
10. Monitor output
11. Unit mounting holes
12. BNC connector
13. Power connector
14. Locking ring
15. Panning adjustment wheel
16. Axial ring

Installing the camera

Step 1: Connecting the cables

1. Connect the BNC cable to the BNC connector (**12**).
2. Connect the power supply cable to the power connector (**13**).
   You can use 24 V AC or 12 V DC connection.

   Caution
   If using a DC supply, make sure the polarity is correct. Incorrect connection may cause malfunction and/or damage to the video camera.
3. Guide the cables through the cable entry holes (**1**).

Step 2: Mounting the camera

1. Place the template on the mounting surface and mark the holes.
2. Drill two holes as marked.
3. Insert the wall plugs into the holes.
4. Fasten the unit with the screws provided.

Step 3: Adjusting the camera position

1. Hold the lens so that it does not rotate.
2. Loosen the locking ring (**14**) and panning adjustment wheel (**15**).

   Caution
   Do not loosen the locking ring without holding the lens in place. Otherwise the lens may rotate with the locking ring and the cable may twist.
3. Turn the lens and axial ring (**16**) in the desired direction.

   Note
   If the camera does not rotate smoothly, loosen the locking ring completely. The locking ring has an internal stop and will not come off.

   Caution
   Do not turn the lens more than 360°, as this may cause internal cables to disconnect or break.
4. Lightly tighten the locking ring (**14**) and panning adjustment wheel (**15**)

Step 4: Adjusting zoom and focus

1. Loosen the zoom lever/locking screw (**4**) by turning it counter-clockwise.
2. Rotate the zoom ring to achieve the desired picture.
3. Loosen the focus lever/locking screw (**5**) by turning it counter-clockwise.
4. Rotate the focus ring to adjust the focus.
5. If readjustment is necessary, repeat the steps above.
6. Retighten the zoom lever/locking screw (**4**) and the focus lever/locking screw (**5**).

   Caution
   Retighten the locking screws to prevent loss of adjustment.
7. Hold the lens and tighten the locking ring (**14**) and panning adjustment wheel (**15**).

Optional settings

- Adjust the brightness of the picture using the LEVEL screw (**6**):
  L = low, makes the picture darker
  H =high, makes the picture brighter
- Adjust the phase difference between cameras (use V Phase adjustment screw (**7**).
- Set the DIP switches (**8**) to activate or deactivate the following features:
  - Backlight compensation (BLC)
  - Automatic gain control (AGC).
    Automatically adjusts the picture to suit ambient brightness
  - Line Lock (LL).
    Sets camera synchronisation to internal (OFF) or line lock (ON). Line lock is only available with 24 V AC.

  The DC/AES DIP switch is not in use.

Step 5: Remote PC connection

This camera is equipped with the latest DSP technology. The remote software kit allows remote access and further enhances the camera's usability and functionality. Please install the remote software onto your PC in accordance with the "readme" file on the CD.

Note
Please read the camera's parameters and save them to a file prior to performing any other adjustments. During this process the picture may flicker or distort. This is normal during this operation, and the picture will return to normal once the process is completed.

Additional camera functions include

- Linear AGC gain control (18dB ~ 30dB)
- Pedestal level adjustment (0~9 IRE)
- Predefined BLC fields (6)
- Sharpness (low/mid/high)
- Day/Night transition level (adjustable)
- Image Option (negative/monochrome)
- Read camera parameters
- Write to camera memory
- Restore factory default settings
- Save and reload parameters from file

Step 6: Attaching the dome to the unit

Note
Use a soft lint-free cloth to wipe the dome cover clean and remove fingerprints.

1. Clean the joint surfaces of the unit.
2. Place the dome on the unit (see figure **C**).
3. Turn the dome clockwise and lock the cover in place.

General guidelines

Operation and storage

- Avoid filming very bright objects (such as light fittings) for an extended period.
- Do not operate or store the unit in the following locations:
  - Extremely hot or cold places.
  - Close to sources of strong magnetism.
  - Close to sources of powerful electromagnetic radiation, such as radios or TV transmitters.
  - In humid or excessively dusty places.
  - Where exposed to mechanical vibrations.
  - Close to fluorescent lamps or objects reflecting light.
  - Under unstable or flickering light sources.

Cleaning

- Use a soft, dry cloth to remove fingerprints or dust from the dome.
- If the dome is very dirty, use a small amount of mild detergent on a damp cloth for cleaning. Ensure the dome is dry before attaching the dome to the unit.

  Caution
  Do not use volatile solvents such as alcohol, benzene or thinners. These solvents may damage the surface.

Transportation

Use the original packing material or materials of equal quality.

CCD characteristics

The following conditions may be observed when using a CCD camera. These are inherent in the design and do not stem from any fault within the camera itself.

- Vertical smear: This phenomenon occurs when viewing a very bright object.
- Patterned noise: This is a fixed pattern which may appear over the entire monitor screen when the camera is operated at a high temperature.
- Jagged picture: When viewing stripes, straight lines, or similar patterns, the image on the screen may appear jagged.

Specifications

General

Power requirement	12 V DC or 24 V AC (Min. 5 W)
Power consumption	3.5 W (max.)
Operating temperature	-10 to +50°C, 90% RH max.
Storage temperature	-20 to +60°C, 70% RH max.
External dimensions	112 x 97.5 mm
Weight	Approx. 0.3 kg
Unit material	ABS (30%) and polycarbonate (70%)
Dome material	Polycarbonate

Imaging system

Imaging device	Exview™ Interline transfer ¼ inch CCD
Effective picture elements	PAL: 752(H) * 582(V)
TV system	PAL: 2:1 Interlace, 15.625 kHz horizontal, 50 Hz vertical

Optical system and other specifications

Day-Night Mode	Mechanical IR filter (automatic)
Focal length	f=2.8 to 5.8 mm
Maximum relative aperture	F1.4
Viewing angle	Horizontal: 74.7° (wide angle) - 35.9° (telescopic) Vertical: 55.2° (wide angle) - 26.9° (telescopic)
Minimum object distance	20 cm
Synchronisation system	Internal or Line lock (24 V AC only)
Horizontal resolution	480 TV lines
Minimum illumination	0.34 lx in C/L mode 0.15 lx in B/W mode (AGC ON, more than 50% of image output r=0.45, without dome cover)
Video output	1.0 Vp-p 75 Ohm
Video S/N ratio	More than 50 dB (AGC OFF, weighted)
White balance	Automatic (2500°K - 10000°K)
AGC	ON/OFF switchable ON: 30dB gain OFF: 18dB gain
BLC	ON (center measured) / OFF switchable (6 zones with remote software)

Information

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.
You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.
The shielded interface cable recommended in this manual must be used with this equipment in order to comply with the limits for a digital output device pursuant to Subpart B of part 15 of FCC rules.

© 2004 Siemens Building Technologies: Fire and Security Products
Data and design subject to change without notice.

SIEMENS

English

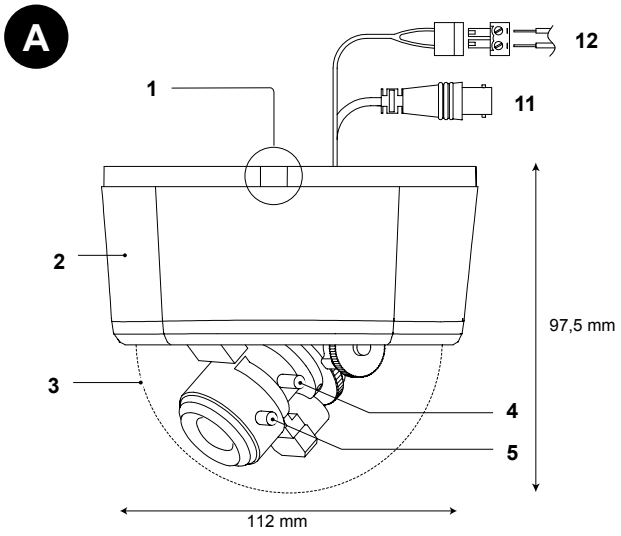
Instruction Manual for Colour Varifocal Dome Camera

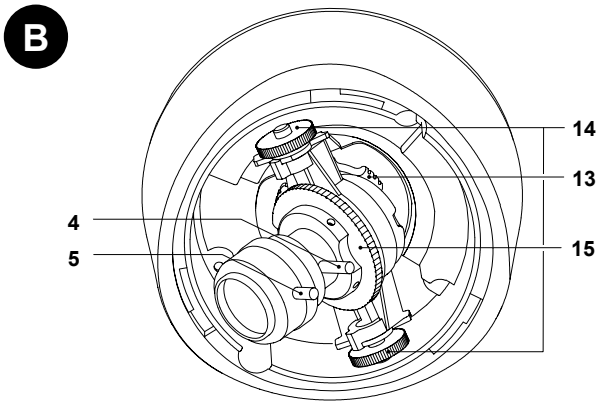
Model number	**Part Code**
Modelnummer	**Art. code**
Typen-Nummer	**Art.-Nr**
CFVC1415-LP	2GF1184-8AE

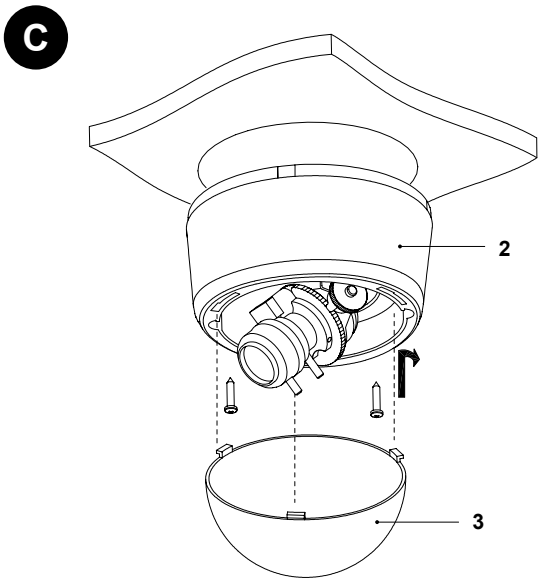
Accessories / Accessoires / Zubehör

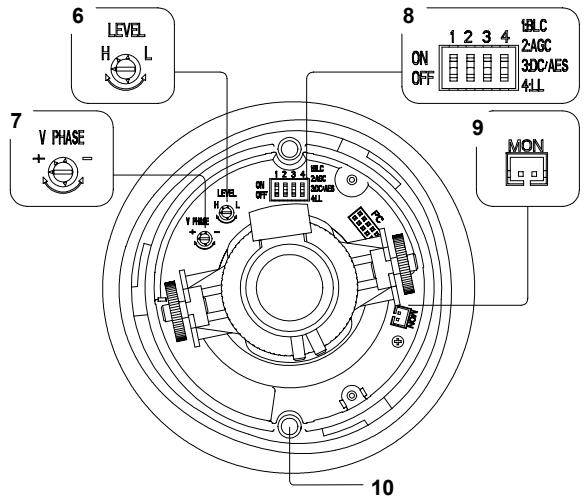
CFFA-CD	2GF1086-8AG	Clear Lower Dome / NL: Transparante dome / De: Klare Kuppel

Document / Document / Dokument	A24205-A336-R549
Edition / Editie / Ausgabe	Rev A.1
Supersedes / Vervangt / Ersetzt	-









Warning

To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.
The CAUTION label shown above is attached to the dome
CAUTION: To reduce the risk of electric shock, do not remove cover (or back). No user-serviceable parts inside. Servicing should only be carried out by qualified service personnel.

Intended for indoor use only!

Waarschuwing

Open de behuizing niet, want dan loopt u het risico op een elektrische schok. Laat alle reparaties door gekwalificeerde technici uitvoeren.
De bovenstaande waarschuwingssticker is op de dome bevestigd.
LET OP: Om het risico op elektrische schokken te verkleinen, dient u de kap (of achterzijde) niet te verwijderen. In het apparaat bevinden zich geen onderdelen die u zelf kunt repareren. Laat elke vorm van onderhoud over aan gekwalificeerde technici.

Alleen geschikt voor binnentoepassingen!

Warnung

Zur Vermeidung von Elektroschocks darf das Gehäuse nicht geöffnet werden. Servicearbeiten dürfen nur von qualifiziertem Personal ausgeführt werden.
Der Warnhinweis oben ist an der Kuppel angebracht.
VORSICHT: Um die Gefahr eines Elektroschocks zu verringern, darf das Gehäuse (oder die Rückseite) nicht entfernt werden. Im Inneren befinden sich keine benutzerseitig zu wartenden Teile. Servicearbeiten dürfen nur von qualifiziertem Kundendienstersonal ausgeführt werden.

Nur für den Einsatz im Innenbereich vorgesehen!

Package contents

- Dome camera
- 1 BNC connection cable
- 1 service monitor cable
- 2 fixing screws
- 2 wall plugs
- Fixing template
- Installation and operating instructions (this document)

Dome camera parts

See figures **A** and **B**.

1. Cable entry holes
2. Unit casing
3. Dome casing
4. Zoom lever/locking screw
5. Focus lever/locking screw
6. Iris LEVEL screw
7. V phase adjustment screw
8. Mode setting DIP switches
9. Monitor output
10. Unit mounting holes
11. BNC connector
12. Power connector
13. Locking ring
14. Panning adjustment wheel
15. Axial ring

Installing the camera

Step 1: Connecting the cables

1. Connect the BNC cable to the BNC connector (**11**).
2. Connect the power supply cable to the power connector (**12**).
   You can use 24 V AC or 12 V DC connection.

   Caution
   If using a DC supply, make sure the polarity is correct. Incorrect connection may cause malfunction and/or damage to the video camera.
3. Guide the cables through the cable entry holes (**1**).

Step 2: Mounting the camera

1. Place the template on the mounting surface and mark the holes.
2. Drill two holes as marked.
3. Insert the wall plugs into the holes.
4. Fasten the unit with the screws provided.

Step 3: Adjusting the camera position

1. Hold the lens so that it does not rotate.
2. Loosen the locking ring (**13**) and panning adjustment wheel (**14**).

   Caution
   Do not loosen the locking ring without holding the lens in place. Otherwise the lens may rotate with the locking ring and the cable may twist.
3. Turn the lens and axial ring (**15**) in the desired direction.

   Note
   If the camera does not rotate smoothly, loosen the locking ring completely. The locking ring has an internal stop and will not come off.

   Caution
   Do not turn the lens more than 360° as this may cause internal cables to disconnect or break.
4. Lightly tighten the locking ring (**13**) and panning adjustment wheel (**14**)

Step 4: Adjusting zoom and focus

1. Loosen the zoom lever/locking screw (**4**) by turning it counter-clockwise.
2. Rotate the zoom ring to achieve the desired picture.
3. Loosen the focus lever/locking screw (**5**) by turning it counter-clockwise.
4. Rotate the focus ring to adjust the focus.
5. If readjustment is necessary, repeat the steps above.
6. Retighten the zoom lever/locking screw (**4**) and the focus lever/locking screw (**5**).

   Caution
   Retighten the locking screws to prevent loss of adjustment.
7. Hold the lens and tighten the locking ring (**13**) and panning adjustment wheel (**14**).

Optional settings

- Adjust the brightness of the picture using the LEVEL screw (**6**):
  L = low, makes the picture darker
  H =high, makes the picture brighter
- Adjust the phase difference between cameras (use V Phase adjustment screw (**7**).
- Set DIP switches (**8**) to activate or deactivate the following features:
  - Backlight compensation (BLC)
  - Automatic gain control (AGC).
    Automatically adjusts the picture to suit ambient brightness
  - Line Lock (LL).
    Sets camera synchronisation to internal (OFF) or line lock (ON). Line lock is only available with 24 V AC.

  The DC/AES DIP switch is not in use.

Step 5: Attaching the dome to the unit

Note
Use a soft lint-free cloth to wipe the dome cover clean and remove fingerprints.

1. Clean the joint surfaces of the unit.
2. Place the dome on the unit (see figure **C**).
3. Turn the dome clockwise and lock the cover in place.

General guidelines

Operation and storage

- Avoid filming very bright objects (such as light fittings) for an extended period.
- Do not operate or store the unit in the following locations:
  - Extremely hot or cold places.
  - Close to sources of strong magnetism.
  - Close to sources of powerful electromagnetic radiation, such as radios or TV transmitters.
  - In humid or excessively dusty places.
  - Where exposed to mechanical vibrations.
  - Close to fluorescent lamps or objects reflecting light.
  - Under unstable or flickering light sources.

Cleaning

- Use a soft, dry cloth to remove fingerprints or dust from the dome.
- If the dome is very dirty, use a small amount of mild detergent on a damp cloth for cleaning. Ensure the dome is dry before attaching the dome to the unit.

  Caution
  Do not use volatile solvents such as alcohol, benzene or thinners. These solvents may damage the surface.

Transportation

Use the original packing material or materials of equal quality.

CCD characteristics

The following conditions may be observed when using a CCD camera. These are inherent of the design and do not stem from any fault within the camera itself.

- Vertical smear: This phenomenon occurs when viewing a very bright object.
- Patterned noise: This is a fixed pattern which may appear over the entire monitor screen when the camera is operated at a high temperature.
- Jagged picture: When viewing stripes, straight lines, or similar patterns, the image on the screen may appear jagged.

Specifications

General

Power requirement	12 V DC or 24 V AC (Min. 5 W)
Power consumption	3.5 W (max.)
Operating temperature	-10 to +50°C, 90% RH max.
Storage temperature	-20 to +60°C, 70% RH max.
External dimensions	112 x 97.5 mm
Weight in kg	Approx. 0.29
Unit material	ABS (30%) and polycarbonate (70%)
Dome material	Polycarbonate

Imaging system

Imaging device	Interline transfer ¼ inch CCD
Effective picture elements	PAL: 752(H) * 582(V)
TV system	PAL: 2:1 Interlace, 15.625 kHz horizontal, 50 Hz vertical

Optical system and other specifications

Focal length	f=2.8 to 5.8 mm
Maximum relative aperture	F1.4
Viewing angle	Horizontal: 76.7° (wide angle) - 38,2° (telescopic) Vertical: 56.8° (wide angle) - 28.7° (telescopic)
Minimum object distance	20 cm
Synchronisation system	Internal or Line lock (24 V AC only)
Horizontal resolution	480 TV lines
Minimum illumination	0.6 lx (AGC ON, more than 50% of image output r = 0.45, without dome cover)
Video output	1.0 Vp-p 75 Ohm
Video S/N ratio	More than 50 dB (AGC OFF, Weighted)
White balance	Automatic (2500°K - 10000°K)
AGC	ON/OFF switchable
BLC	ON (Center measured) / OFF switchable

Information

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area may cause harmful interference in which case the user will be required to correct the interference at his own expense.

© 2003 Siemens Building Technologies: Fire and Security Products
Data and design subject to change without notice.

SIEMENS

English

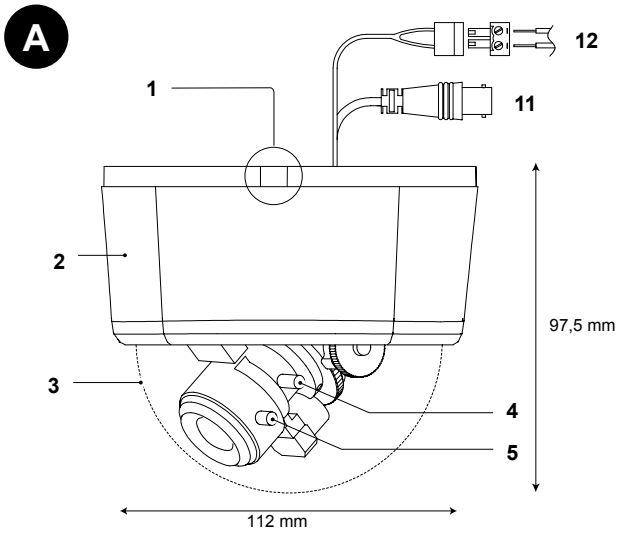
Instruction Manual for Monochrome Varifocal Dome Camera

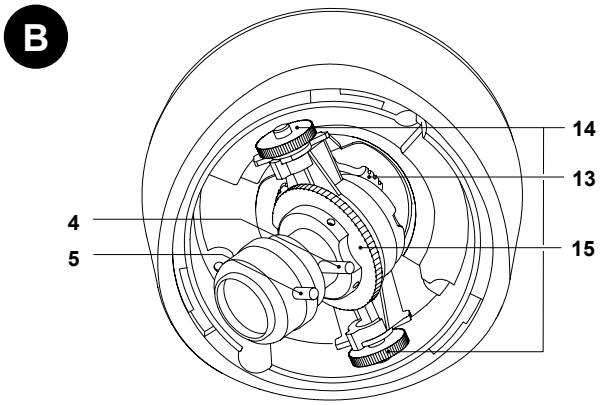
Model number	**Part Code**
Modelnummer	**Art. code**
Typen-Nummer	**Art.-Nr**
CFVB1415-LC	2GF1184-8AG

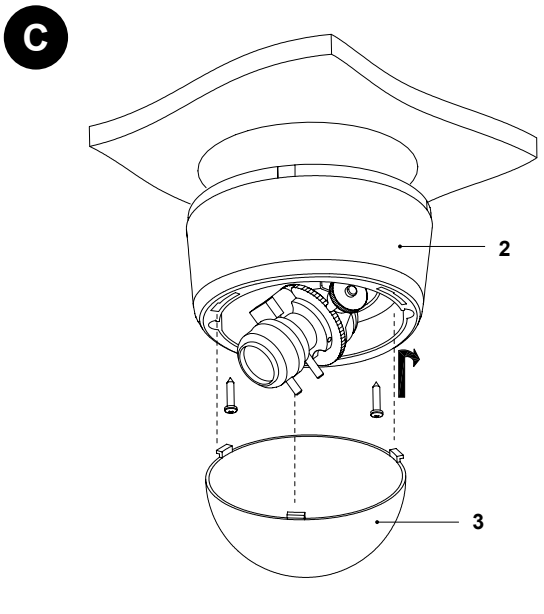
Accessories / Accessoires / Zubehör

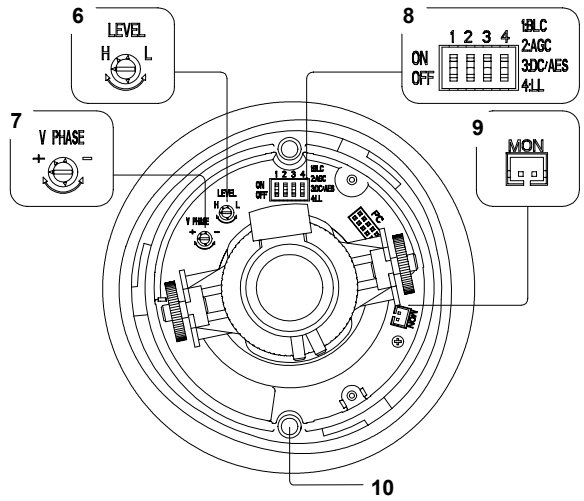
CFFA-CD	2GF1086-8AG	Clear Lower Dome / NL: Transparante dome / De: Klare Kuppel

Document / Document / Dokument	A24205-A336-R552
Edition / Editie / Ausgabe	Rev A.1
Supersedes / Vervangt / Ersetzt	-









Warning

To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.
The CAUTION label shown above is attached to the dome
CAUTION: To reduce the risk of electric shock, do not remove cover (or back). No user-serviceable parts inside. Servicing should only be carried out by qualified service personnel.

Intended for indoor use only!

Waarschuwing

Open de behuizing niet, want dan loopt u het risico op een elektrische schok. Laat alle reparaties door gekwalificeerde technici uitvoeren.
De bovenstaande waarschuwingssticker is op de dome bevestigd.
LET OP: Om het risico op elektrische schokken te verkleinen, dient u de kap (of achterzijde) niet te verwijderen. In het apparaat bevinden zich geen onderdelen die u zelf kunt repareren. Laat elke vorm van onderhoud over aan gekwalificeerde technici.

Alleen geschikt voor binnentoepassingen!

Warnung

Zur Vermeidung von Elektroschocks darf das Gehäuse nicht geöffnet werden. Servicearbeiten dürfen nur von qualifiziertem Personal ausgeführt werden.
Der Warnhinweis oben ist an der Kuppel angebracht.
VORSICHT: Um die Gefahr eines Elektroschocks zu verringern, darf das Gehäuse (oder die Rückseite) nicht entfernt werden. Im Inneren befinden sich keine benutzerseitig zu wartenden Teile. Servicearbeiten dürfen nur von qualifiziertem Kundendienstersonal ausgeführt werden.

Nur für den Einsatz im Innenbereich vorgesehen!

Package contents

- Dome camera
- 1 BNC connection cable
- 1 service monitor cable
- 2 fixing screws
- 2 wall plugs
- Fixing template
- Installation and operating instructions (this document)

Dome camera parts

See figures **A** and **B**.

1. Cable entry holes
2. Unit casing
3. Dome casing
4. Zoom lever/locking screw
5. Focus lever/locking screw
6. Iris LEVEL screw
7. V phase adjustment screw
8. Mode setting DIP switches
9. Monitor output
10. Unit mounting holes
11. BNC connector
12. Power connector
13. Locking ring
14. Panning adjustment wheel
15. Axial ring

Installing the camera

Step 1: Connecting the cables

1. Connect the BNC cable to the BNC connector (**11**).
2. Connect the power supply cable to the power connector (**12**).
   You can use 24 V AC or 12 V DC connection.

   Caution
   If using a DC supply, make sure the polarity is correct. Incorrect connection may cause malfunction and/or damage to the video camera.
3. Guide the cables through the cable entry holes (**1**).

Step 2: Mounting the camera

1. Place the template on the mounting surface and mark the holes.
2. Drill two holes as marked.
3. Insert the wall plugs into the holes.
4. Fasten the unit with the screws provided.

Step 3: Adjusting the camera position

1. Hold the lens so that it does not rotate.
2. Loosen the locking ring (**13**) and panning adjustment wheel (**14**).

   Caution
   Do not loosen the locking ring without holding the lens in place. Otherwise the lens may rotate with the locking ring and the cable may twist.
3. Turn the lens and axial ring (**15**) in the desired direction.

   Note
   If the camera does not rotate smoothly, loosen the locking ring completely. The locking ring has an internal stop and will not come off.

   Caution
   Do not turn the lens more than 360° as this may cause internal cables to disconnect or break.
4. Lightly tighten the locking ring (**13**) and panning adjustment wheel (**14**)

Step 4: Adjusting zoom and focus

1. Loosen the zoom lever/locking screw (**4**) by turning it counter-clockwise.
2. Rotate the zoom ring to achieve the desired picture.
3. Loosen the focus lever/locking screw (**5**) by turning it counter-clockwise.
4. Rotate the focus ring to adjust the focus.
5. If readjustment is necessary, repeat the steps above.
6. Retighten the zoom lever/locking screw (**4**) and the focus lever/locking screw (**5**).

   Caution
   Retighten the locking screws to prevent loss of adjustment.
7. Hold the lens and tighten the locking ring (**13**) and panning adjustment wheel (**14**).

Optional settings

- Adjust the brightness of the picture using the LEVEL screw (**6**):
  L = low, makes the picture darker
  H =high, makes the picture brighter
- Adjust the phase difference between cameras (use V Phase adjustment screw (**7**).
- Set DIP switches (**8**) to activate or deactivate the following features:
  - Backlight compensation (BLC)
  - Automatic gain control (AGC).
    Automatically adjusts the picture to suit ambient brightness
  - Line Lock (LL).
    Sets camera synchronisation to internal (OFF) or line lock (ON). Line lock is only available with 24 V AC.

  The DC/AES DIP switch is not in use.

Step 5: Attaching the dome to the unit

Note
Use a soft lint-free cloth to wipe the dome cover clean and remove fingerprints.

1. Clean the joint surfaces of the unit.
2. Place the dome on the unit (see figure **C**).
3. Turn the dome clockwise and lock the cover in place.

General guidelines

Operation and storage

- Avoid filming very bright objects (such as light fittings) for an extended period.
- Do not operate or store the unit in the following locations:
  - Extremely hot or cold places.
  - Close to sources of strong magnetism.
  - Close to sources of powerful electromagnetic radiation, such as radios or TV transmitters.
  - In humid or excessively dusty places.
  - Where exposed to mechanical vibrations.
  - Close to fluorescent lamps or objects reflecting light.
  - Under unstable or flickering light sources.

Cleaning

- Use a soft, dry cloth to remove fingerprints or dust from the dome.
- If the dome is very dirty, use a small amount of mild detergent on a damp cloth for cleaning. Ensure the dome is dry before attaching the dome to the unit.

  Caution
  Do not use volatile solvents such as alcohol, benzene or thinners. These solvents may damage the surface.

Transportation

Use the original packing material or materials of equal quality.

CCD characteristics

The following conditions may be observed when using a CCD camera. These are inherent of the design and do not stem from any fault within the camera itself.

- Vertical smear: This phenomenon occurs when viewing a very bright object.
- Patterned noise: This is a fixed pattern which may appear over the entire monitor screen when the camera is operated at a high temperature.
- Jagged picture: When viewing stripes, straight lines, or similar patterns, the image on the screen may appear jagged.

Specifications

General

Power requirement.....12 V DC or 24 V AC (Min. 5 W)
Power consumption ....3 W (max.)
Operating temperature-10 to +50°C, 90% RH max.
Storage temperature ...-20 to +60°C, 70% RH max.
External dimensions....112 x 97.5 mm
Weight in kg .....Approx. 0.29
Unit material.....ABS (30%) and polycarbonate (70%)
Dome material.....Polycarbonate

Imaging system

Imaging device.....Interline transfer ¼ inch CCD
Effective picture elements CCIR: 752(H) * 582(V)
TV system.....CCIR: 2:1 Interlace, 15.625 kHz horizontal, 50 Hz vertical

Optical system and other specifications

Focal length .....f=2.8 to 5.8 mm
Maximum relative aperture F1.4
Viewing angle .....Horizontal: 76.7° (wide angle) - 38,2° (telescopic) Vertical: 56.8° (wide angle) - 28.7° (telescopic)
Minimum object distance 20 cm
Synchronisation system Internal or Line lock (24 V AC only)
Horizontal resolution ...580 TV lines
Minimum illumination ..0.2 lx (AGC ON, more than 50% of image output r = 0.45, without dome cover)
Video output.....1.0 Vp-p 75 Ohm
Video S/N ratio.....More than 50 dB (AGC OFF, Weighted)
AGC .....ON/OFF switchable
BLC.....ON (Center measured) / OFF switchable

Information

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area may cause harmful interference in which case the user will be required to correct the interference at his own expense.

© 2003 Siemens Building Technologies: Fire and Security Products

Data and design subject to change without notice.